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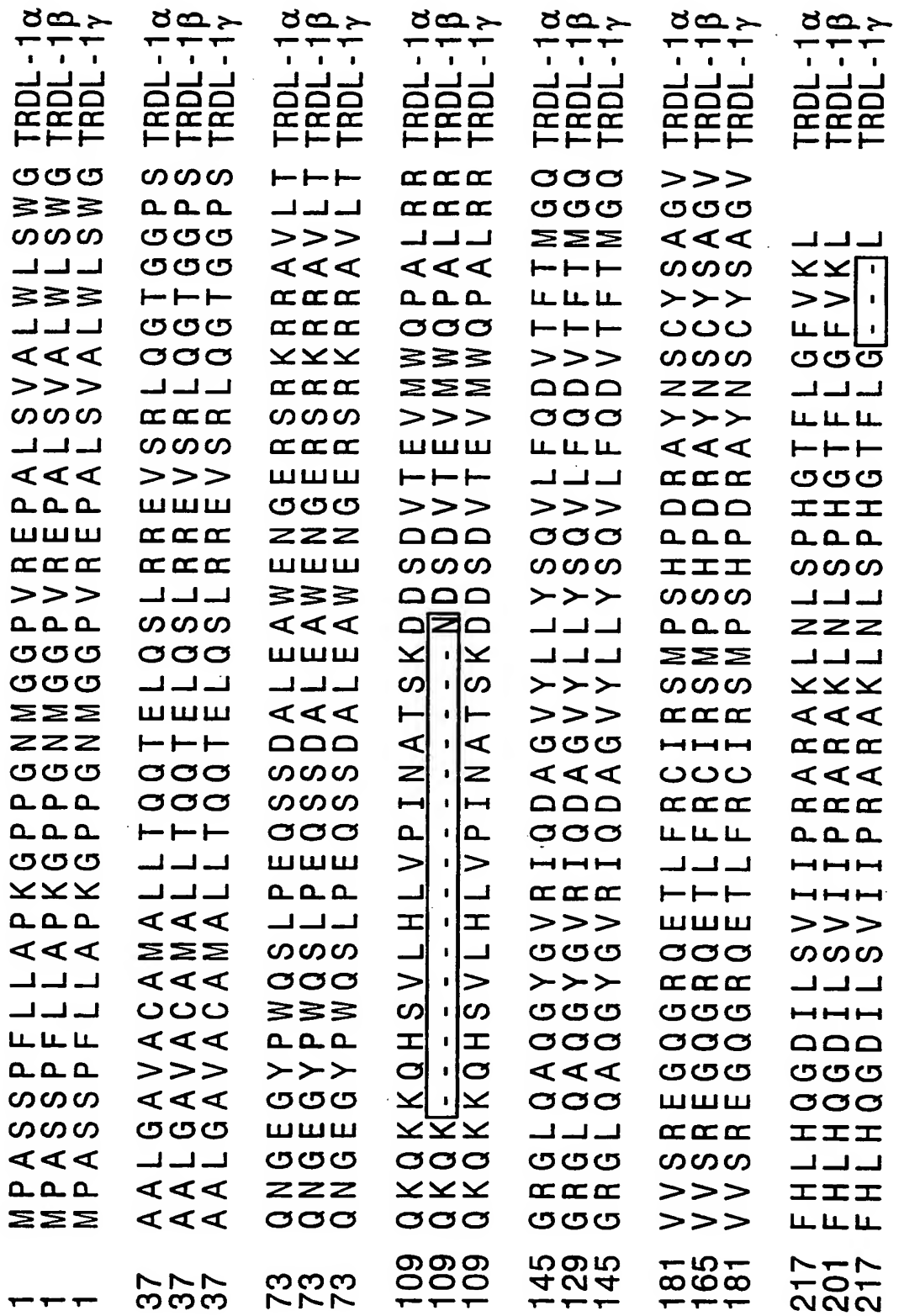
1 MPASSPFLLAPKGPPGNMGGPVREPALSVALWLSWG TRDL-1α
1 MPASSPFLLAPKGPPGNMGGPVREPALSVALWLSWG TRDL-1β
1 MPASSPFLLAPKGPPGNMGGPVREPALSVALWLSWG TRDL-1γ
37 AALGAVACAMALLTQQTELQSLRREVSRLQGTGGPS TRDL-1α
37 AALGAVACAMALLTQQTELQSLRREVSRLQGTGGPS TRDL-1β
37 AALGAVACAMALLTQQTELQSLRREVSRLQGTGGPS TRDL-1γ
73 QNGEGYPWQSLPEQSSDALEAWENGERSRKRRAVLT TRDL-1α
73 QNGEGYPWQSSDALEAWENGERSRKRRAVLT TRDL-1β
73 QNGEGYPWQSLPEQSSDALEAWENGERSRKRRAVLT TRDL-1γ
109 QKQKKQHSVLHLVPINATSKDDSDVTEVMWQPALRR TRDL-1α
109 QKQK----------NDSDVTEVMWQPALRR TRDL-1β
109 QKQKKQHSVLHLVPINATSKDDSDVTEVMWQPALRR TRDL-1γ
145 GRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQ TRDL-1α
129 GRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQ TRDL-1β
145 GRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQ TRDL-1γ
181 VVSREGQGRQETLFRCIRSMPSHPDDRAYNSCYSAGV TRDL-1α
165 VVSREGQGRQETLFRCIRSMPSHPDDRAYNSCYSAGV TRDL-1β
181 VVSREGQGRQETLFRCIRSMPSHPDDRAYNSCYSAGV TRDL-1γ
217 FHLHQGDILSVIIPRARAKLNLSPHGTFLGFVKL TRDL-1α
201 FHLHQGDILSVIIPRARAKLNLSPHGTFLGFVKL TRDL-1β
217 FHLHQGDILSVIIPRARAKLNLSPHGTFLG---L TRDL-1γ

FIG. 1

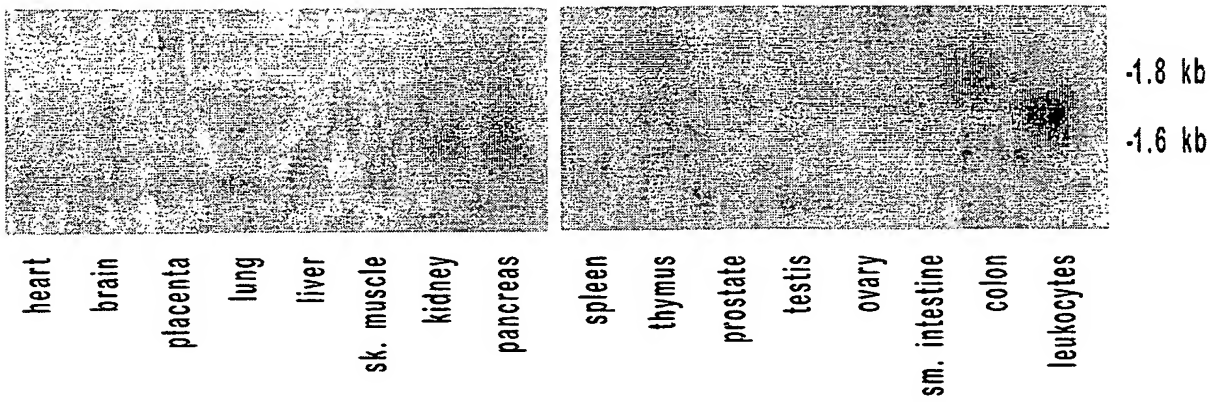
-1.8 kb
-1.6 kb
heart
brain
placenta
lung
liver
sk. muscle
kidney
pancreas
spleen
thymus
prostate
testis
ovary
sm. intestine
colon
leukocytes

FIG. 2A

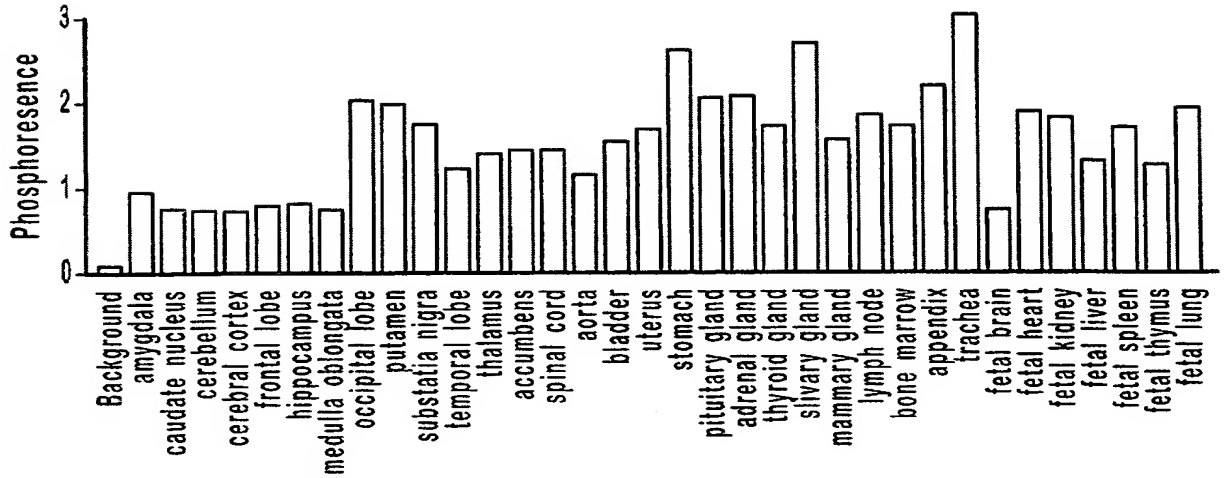
Phosphoresence
0
1
2
3
Background
amygdala
caudate nucleus
cerebellum
cerebral cortex
frontal lobe
hippocampus
medulla oblongata
occipital lobe
putamen
substatia nigra
temporal lobe
thalamus
accumbens
spinal cord
aorta
bladder
uterus
stomach
pituitary gland
adrenal gland
thyroid gland
slivary gland
mammary gland
lymph node
bone marrow
appendix
trachea
fetal brain
fetal heart
fetal kidney
fetal liver
fetal spleen
fetal thymus
fetal lung

FIG. 2B

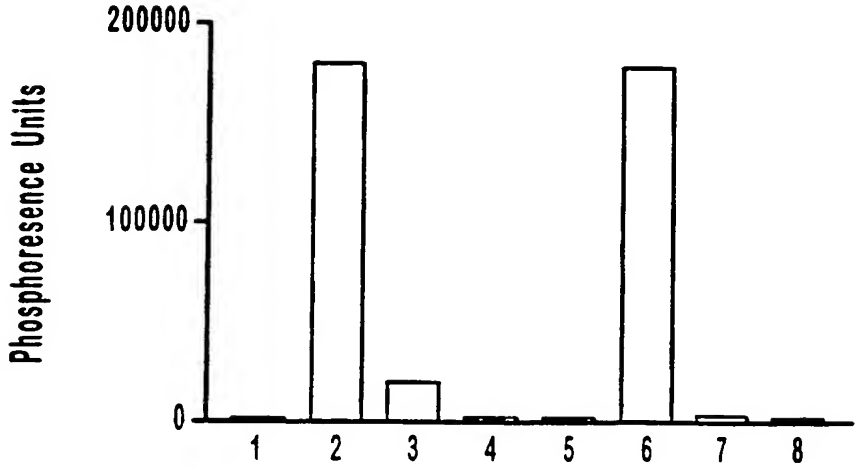

FIG. 3A

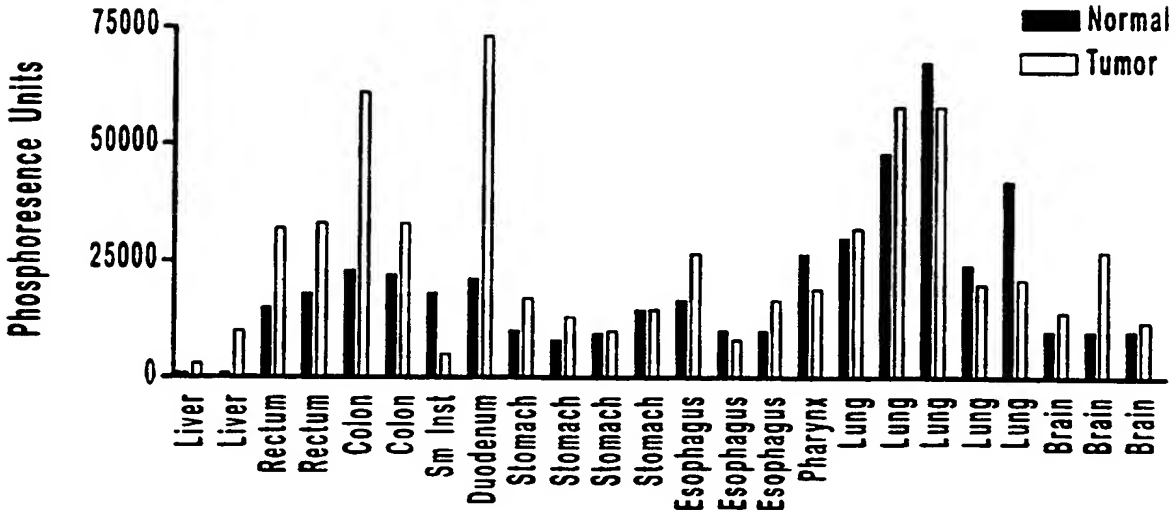

FIG. 3B

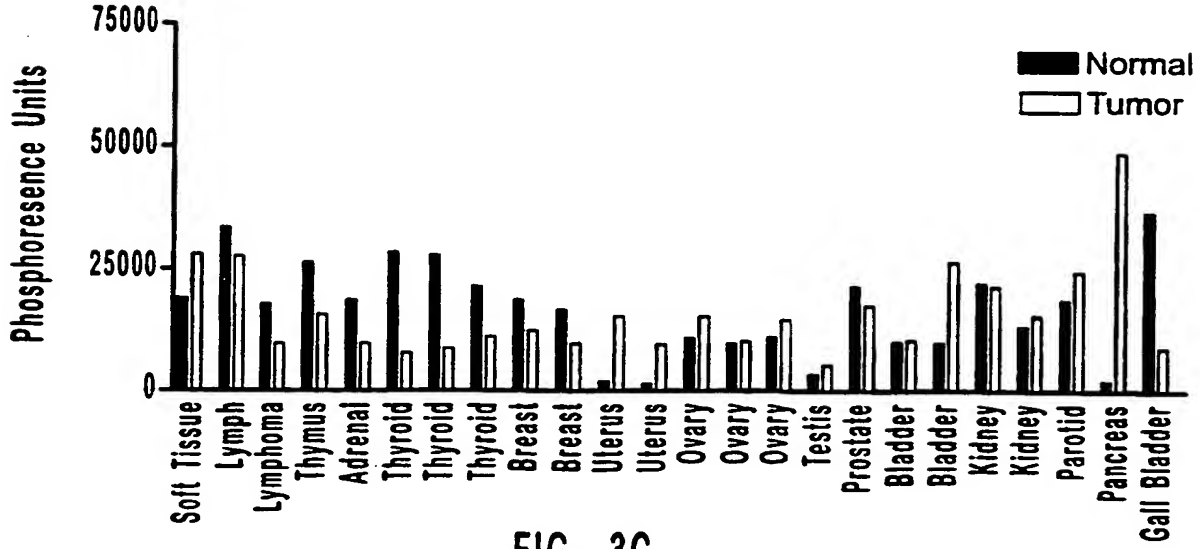

FIG. 3C

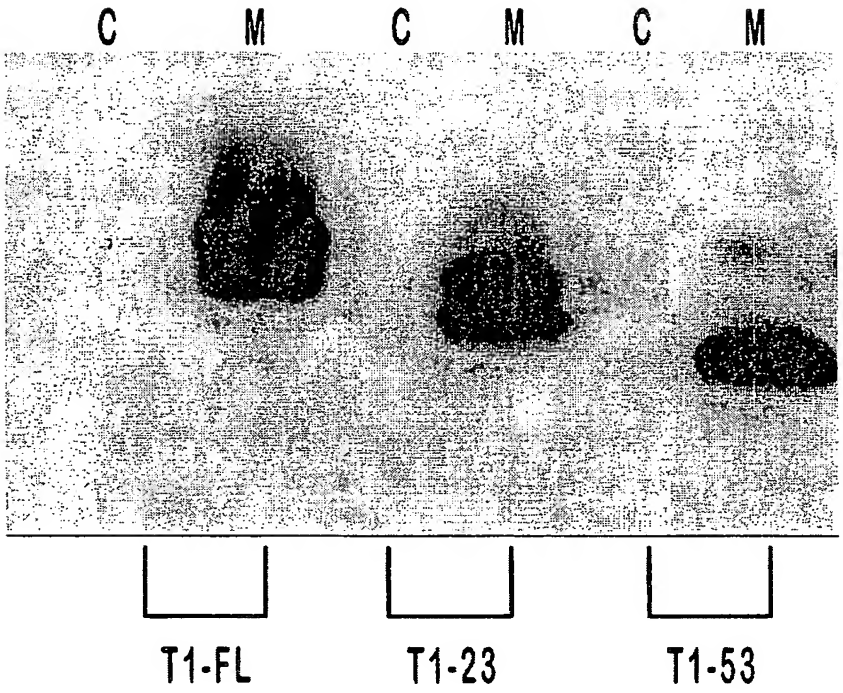

FIG. 4

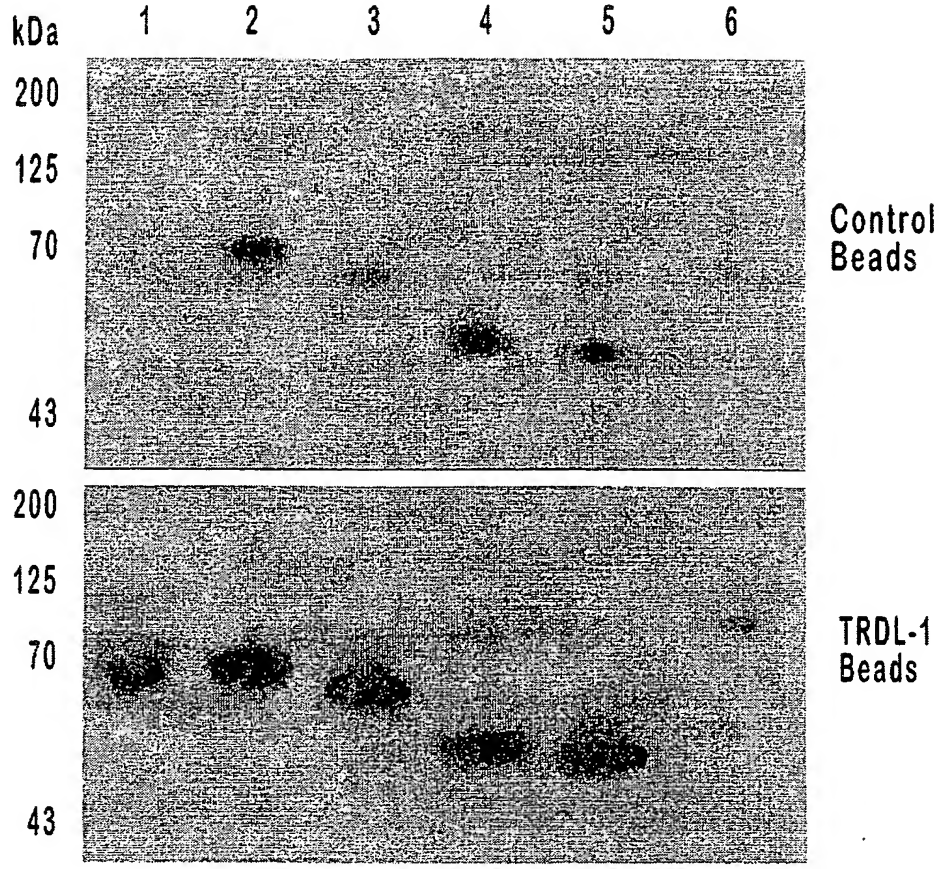
kDa
1
2
3
4
5
6
200
125
70
43
Control Beads
200
125
70
43
TRDL-1 Beads

FIG. 5A

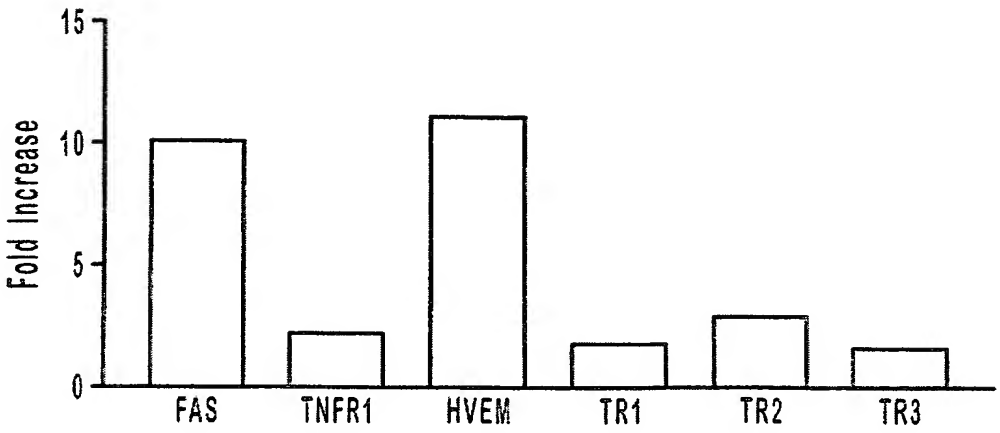
Fold Increase
15
10
5
0
FAS
TNFR1
HVEM
TR1
TR2
TR3

FIG. 5B

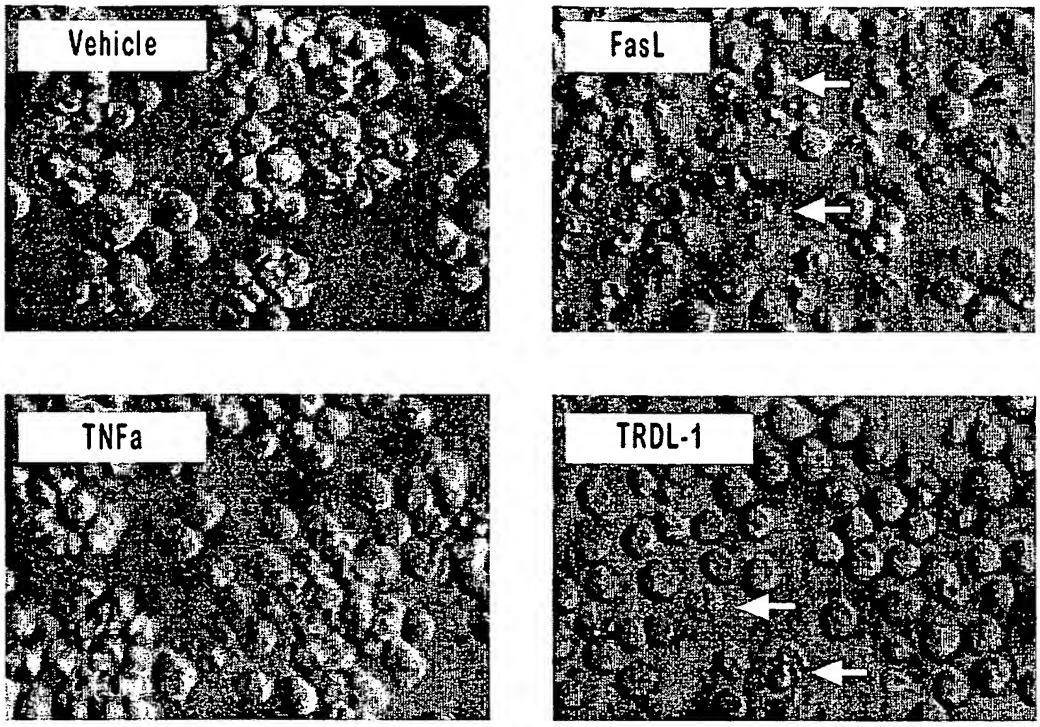
Vehicle
FasL
TNFa
TRDL-1

FIG. 6A

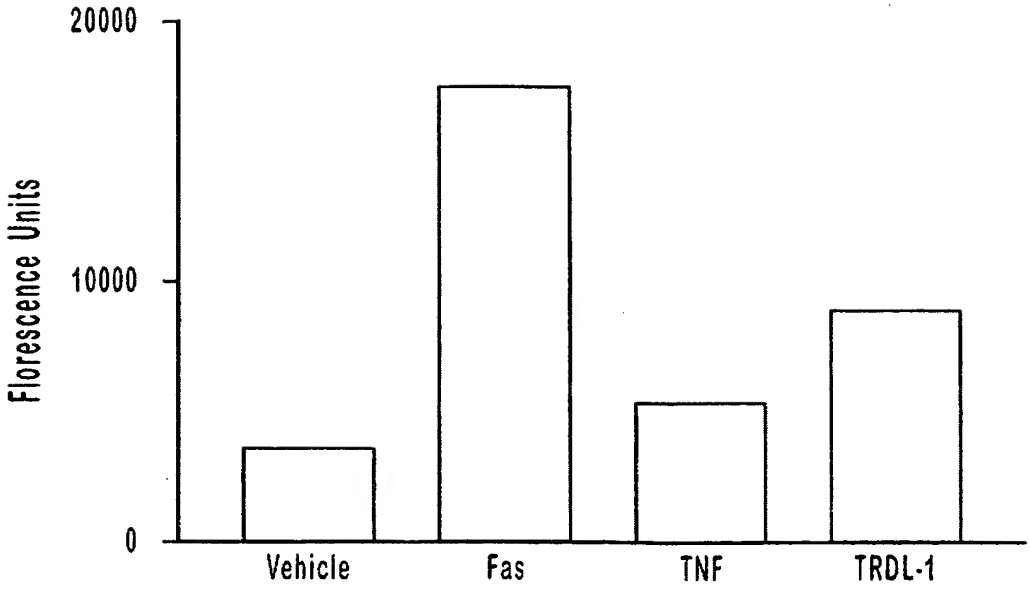
20000
10000
0
Florescence Units
Vehicle
Fas
TNF
TRDL-1

FIG. 6B

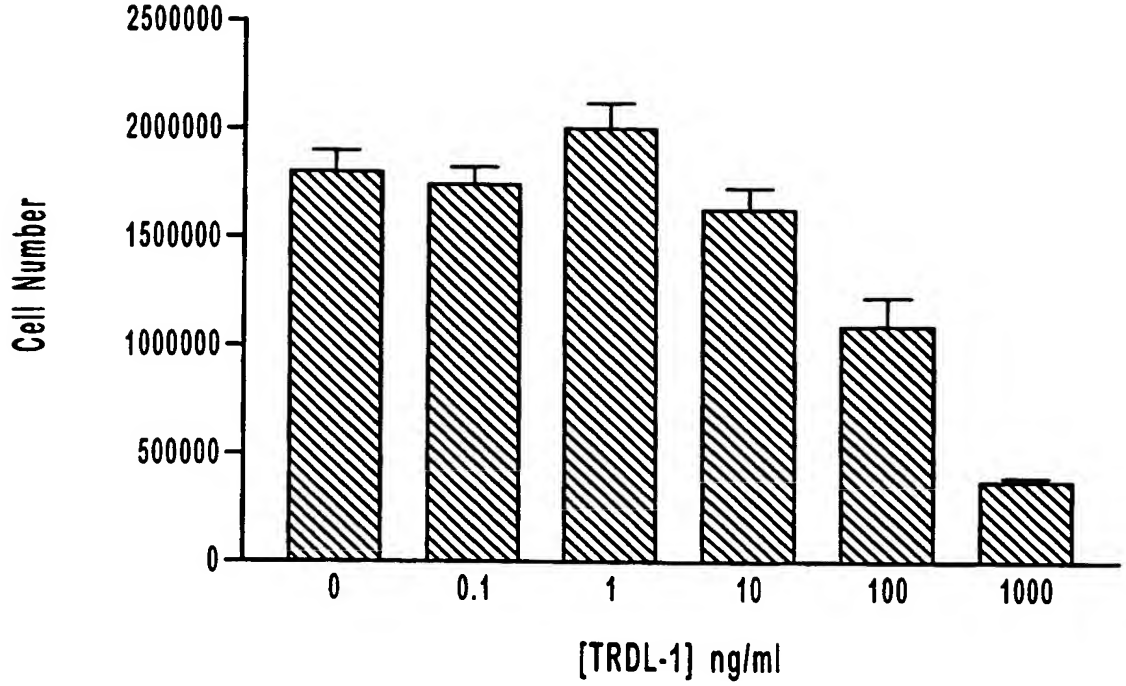
2500000
2000000
1500000
1000000
500000
0
Cell Number
0
0.1
1
10
100
1000
[TRDL-1] ng/ml

FIG. 7A

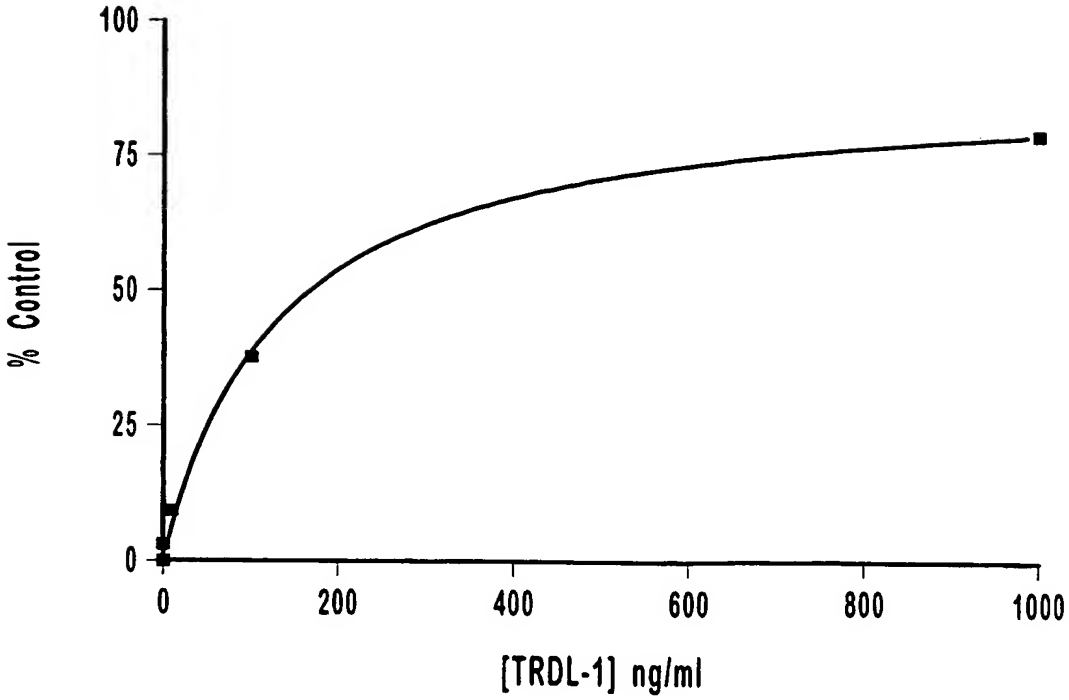
100
75
50
25
0
% Control
0
200
400
600
800
1000
[TRDL-1] ng/ml

FIG. 7B